

CLAIMS:

1. A driver circuit for driving an electroluminescent display comprising a matrix of display pixels being associated with intersections of data electrodes and select electrodes , the driver circuit comprises:
 - a select driver for supplying a select signal comprising non-overlapping select
5 pulses with a predetermined repetition frequency to a selected one of the select electrodes during a select period,
 - a data driver for supplying data signals to the data electrodes , the data signals comprising data pulses with the same predetermined repetition frequency, the data pulses occurring during the select pulses for data electrodes of which associated pixels should not
10 produce light, the data pulses occurring in-between the select pulses for data electrodes of which associated pixels should produce light.
2. A driver circuit as claimed in claim 1, characterized in that the driver circuit further comprises an energy recovery circuit for supplying output pulses with sine-wave
15 shaped edges and a repetition frequency which is twice the predetermined repetition frequency, wherein the data driver comprises means for directing either the output pulses which occur during the select pulses , or the output pulses which occur in-between the select pulses to the data electrodes .
- 20 3. A driver circuit as claimed in claim 2, characterized in that the means for directing comprises push-pull output stages for receiving the output pulses across series arranged first and second electronic switches , junctions of the respective first and the second electronic switches being coupled to respective ones of the data electrodes , the driver circuit further comprising a controller for controlling the push-pull output stages to supply the
25 output pulses to the data electrodes during the select pulses if the associated pixels should not produce light, or to supply the output pulses to the data electrodes in-between the select pulses if the associated pixels should produce light.

4. A driver circuit as claimed in claim 2, characterized in that at least a subset of the push pull output stages of the data driver is integrated in an integrated circuit, all the series arranged first and second electronic switches being coupled between terminals of the integrated circuit.

5

5. A driver circuit as claimed in claim 2, characterized in that the driver circuit comprises a further energy recovery circuit for generating the select pulses of the select signal with substantially sine-wave shaped edges.

10

6. A driver circuit as claimed in claim 5, characterized in that a resonance inductor of the first mentioned energy recovery circuit and a resonance inductor of the further energy recovery circuit are magnetically coupled.

7. A display apparatus comprising a driver circuit as claimed in claim 1.

15

8. A method of driving an electroluminescent display comprising a matrix of display pixels being associated with intersections of data electrodes and select electrodes, the method comprises:

supplying a select signal comprising non-overlapping select pulses with a predetermined repetition frequency to a selected one of the select electrodes during a select period,

supplying data signals to the data electrodes, the data signals comprising data pulses with the same predetermined repetition frequency, the data pulses occurring during the select pulses for data electrodes of which associated pixels should not produce light, the data pulses occurring in-between the select pulses for data electrodes of which associated pixels should produce light.